

Mark D Esposito

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

267 papers	31,785 citations	94 h-index	176 g-index
311 ext. papers	36,213 ext. citations	6.4 avg, IF	7.72 L-index

#	Paper	IF	Citations
267	Persistent activity in the prefrontal cortex during working memory. <i>Trends in Cognitive Sciences</i> , 2003 , 7, 415-423	14	1357
266	The neural basis of the central executive system of working memory. <i>Nature</i> , 1995 , 378, 279-81	50.4	1257
265	Inverted-U-shaped dopamine actions on human working memory and cognitive control. <i>Biological Psychiatry</i> , 2011 , 69, e113-25	7.9	1025
264	Variation of BOLD hemodynamic responses across subjects and brain regions and their effects on statistical analyses. <i>NeuroImage</i> , 2004 , 21, 1639-51	7.9	684
263	Top-down suppression deficit underlies working memory impairment in normal aging. <i>Nature Neuroscience</i> , 2005 , 8, 1298-300	25.5	672
262	Prefrontal cortical contributions to working memory: evidence from event-related fMRI studies. <i>Experimental Brain Research</i> , 2000 , 133, 3-11	2.3	667
261	The cognitive neuroscience of working memory. <i>Annual Review of Psychology</i> , 2015 , 66, 115-42	26.1	658
260	Alterations in the BOLD fMRI signal with ageing and disease: a challenge for neuroimaging. <i>Nature Reviews Neuroscience</i> , 2003 , 4, 863-72	13.5	638
259	Is the rostro-caudal axis of the frontal lobe hierarchical?. <i>Nature Reviews Neuroscience</i> , 2009 , 10, 659-69	13.5	630
258	Measuring functional connectivity during distinct stages of a cognitive task. <i>NeuroImage</i> , 2004 , 23, 752-63	23.9	625
257	Dissociable correlates of recollection and familiarity within the medial temporal lobes. <i>Neuropsychologia</i> , 2004 , 42, 2-13	3.2	537
256	From cognitive to neural models of working memory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 761-72	5.8	518
255	The neural correlates of direct and reflected self-knowledge. <i>NeuroImage</i> , 2005 , 28, 797-814	7.9	465
254	Effects of repetition and competition on activity in left prefrontal cortex during word generation. <i>Neuron</i> , 1999 , 23, 513-22	13.9	455
253	Isolating the neural mechanisms of age-related changes in human working memory. <i>Nature Neuroscience</i> , 2000 , 3, 509-15	25.5	445
252	Functional magnetic resonance imaging evidence for a hierarchical organization of the prefrontal cortex. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 2082-99	3.1	435
251	The effect of normal aging on the coupling of neural activity to the bold hemodynamic response. <i>NeuroImage</i> , 1999 , 10, 6-14	7.9	393

250	Region-specific changes in prefrontal function with age: a review of PET and fMRI studies on working and episodic memory. <i>Brain</i> , 2005 , 128, 1964-83	11.2	388
249	A trial-based experimental design for fMRI. <i>NeuroImage</i> , 1997 , 6, 122-38	7.9	387
248	Top-down enhancement and suppression of the magnitude and speed of neural activity. <i>Journal of Cognitive Neuroscience</i> , 2005 , 17, 507-17	3.1	363
247	Prefrontal activity associated with working memory and episodic long-term memory. <i>Neuropsychologia</i> , 2003 , 41, 378-89	3.2	344
246	Age-related top-down suppression deficit in the early stages of cortical visual memory processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 13122-6	11.5	329
245	Medial temporal lobe activity associated with active maintenance of novel information. <i>Neuron</i> , 2001 , 31, 865-73	13.9	329
244	The Segregation and Integration of Distinct Brain Networks and Their Relationship to Cognition. <i>Journal of Neuroscience</i> , 2016 , 36, 12083-12094	6.6	326
243	Measuring interregional functional connectivity using coherence and partial coherence analyses of fMRI data. <i>NeuroImage</i> , 2004 , 21, 647-58	7.9	313
242	The search for the phonological store: from loop to convolution. <i>Journal of Cognitive Neuroscience</i> , 2008 , 20, 762-78	3.1	291
241	The influence of working-memory demand and subject performance on prefrontal cortical activity. <i>Journal of Cognitive Neuroscience</i> , 2002 , 14, 721-31	3.1	290
240	The modular and integrative functional architecture of the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6798-807	11.5	286
239	Revisiting the role of persistent neural activity during working memory. <i>Trends in Cognitive Sciences</i> , 2014 , 18, 82-9	14	276
238	Inferior temporal, prefrontal, and hippocampal contributions to visual working memory maintenance and associative memory retrieval. <i>Journal of Neuroscience</i> , 2004 , 24, 3917-25	6.6	275
237	Striatal dopamine predicts outcome-specific reversal learning and its sensitivity to dopaminergic drug administration. <i>Journal of Neuroscience</i> , 2009 , 29, 1538-43	6.6	273
236	Neural correlates of cognitive efficiency. <i>NeuroImage</i> , 2006 , 33, 969-79	7.9	262
235	Functional connectivity during working memory maintenance. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2004 , 4, 580-99	3.5	253
234	Estrogen shapes dopamine-dependent cognitive processes: implications for women's health. <i>Journal of Neuroscience</i> , 2011 , 31, 5286-93	6.6	249
233	Focal brain lesions to critical locations cause widespread disruption of the modular organization of the brain. <i>Journal of Cognitive Neuroscience</i> , 2012 , 24, 1275-85	3.1	245

232	Immediate reward bias in humans: fronto-parietal networks and a role for the catechol-O-methyltransferase 158(Val/Val) genotype. <i>Journal of Neuroscience</i> , 2007 , 27, 14383-91	6.6	241
231	Reversal learning in Parkinson's disease depends on medication status and outcome valence. <i>Neuropsychologia</i> , 2006 , 44, 1663-73	3.2	239
230	Maintenance of spatial and motor codes during oculomotor delayed response tasks. <i>Journal of Neuroscience</i> , 2004 , 24, 3944-52	6.6	237
229	The Human Thalamus Is an Integrative Hub for Functional Brain Networks. <i>Journal of Neuroscience</i> , 2017 , 37, 5594-5607	6.6	235
228	Searching for "the top" in top-down control. <i>Neuron</i> , 2005 , 48, 535-8	13.9	231
227	Impulsive responding in alcoholics. <i>Alcoholism: Clinical and Experimental Research</i> , 2005 , 29, 2158-69	3.7	230
226	Frontal cortex and the discovery of abstract action rules. <i>Neuron</i> , 2010 , 66, 315-26	13.9	221
225	Working memory impairments in traumatic brain injury: evidence from a dual-task paradigm. <i>Neuropsychologia</i> , 1997 , 35, 1341-53	3.2	221
224	Conduction aphasia, sensory-motor integration, and phonological short-term memory - an aggregate analysis of lesion and fMRI data. <i>Brain and Language</i> , 2011 , 119, 119-28	2.9	218
223	Working memory capacity predicts dopamine synthesis capacity in the human striatum. <i>Journal of Neuroscience</i> , 2008 , 28, 1208-12	6.6	217
222	Effects of frontal lobe damage on interference effects in working memory. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2002 , 2, 109-20	3.5	214
221	Aging and reflective processes of working memory: Binding and test load deficits.. <i>Psychology and Aging</i> , 2000 , 15, 527-541	3.6	213
220	Impulsive personality predicts dopamine-dependent changes in frontostriatal activity during component processes of working memory. <i>Journal of Neuroscience</i> , 2007 , 27, 5506-14	6.6	212
219	"What"-Then-Where" in visual working memory: an event-related fMRI study. <i>Journal of Cognitive Neuroscience</i> , 1999 , 11, 585-97	3.1	206
218	Functional magnetic resonance imaging of regional brain activity in patients with intracerebral gliomas: findings and implications for clinical management. <i>Neurosurgery</i> , 1996 , 38, 329-38	3.2	206
217	Functional interactions between prefrontal and visual association cortex contribute to top-down modulation of visual processing. <i>Cerebral Cortex</i> , 2007 , 17 Suppl 1, i125-35	5.1	195
216	Functional Characterization of the Cingulo-Opercular Network in the Maintenance of Tonic Alertness. <i>Cerebral Cortex</i> , 2015 , 25, 2763-73	5.1	189
215	Hierarchical cognitive control deficits following damage to the human frontal lobe. <i>Nature Neuroscience</i> , 2009 , 12, 515-22	25.5	185

214	Progressive Nonfluent Aphasia: Language, Cognitive, and PET Measures Contrasted with Probable Alzheimer's Disease. <i>Journal of Cognitive Neuroscience</i> , 1996 , 8, 135-54	3.1	176
213	Success and failure suppressing reflexive behavior. <i>Journal of Cognitive Neuroscience</i> , 2003 , 15, 409-18	3.1	176
212	Rapid prefrontal-hippocampal habituation to novel events. <i>Journal of Neuroscience</i> , 2004 , 24, 5356-63	6.6	173
211	Dissecting contributions of prefrontal cortex and fusiform face area to face working memory. <i>Journal of Cognitive Neuroscience</i> , 2003 , 15, 771-84	3.1	173
210	Directing the mind's eye: prefrontal, inferior and medial temporal mechanisms for visual working memory. <i>Current Opinion in Neurobiology</i> , 2005 , 15, 175-82	7.6	172
209	Left anterior prefrontal activation increases with demands to recall specific perceptual information. <i>Journal of Neuroscience</i> , 2000 , 20, RC108	6.6	171
208	Frontal networks for learning and executing arbitrary stimulus-response associations. <i>Journal of Neuroscience</i> , 2005 , 25, 2723-32	6.6	169
207	Band phase synchrony is related to activity in the fronto-parietal adaptive control network. <i>Journal of Neuroscience</i> , 2012 , 32, 14305-10	6.6	166
206	Mentalizing about emotion and its relationship to empathy. <i>Social Cognitive and Affective Neuroscience</i> , 2008 , 3, 204-17	4	161
205	Category-specific modulation of inferior temporal activity during working memory encoding and maintenance. <i>Cognitive Brain Research</i> , 2004 , 20, 37-45		158
204	Ongoing dynamics in large-scale functional connectivity predict perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8463-8	11.5	152
203	Event-related functional MRI: implications for cognitive psychology. <i>Psychological Bulletin</i> , 1999 , 125, 155-64	19.1	150
202	Top-down modulation and normal aging. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1097, 67-83	6.5	149
201	Double dissociation of two cognitive control networks in patients with focal brain lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12017-22	11.5	145
200	The salience network causally influences default mode network activity during moral reasoning. <i>Brain</i> , 2013 , 136, 1929-41	11.2	143
199	The impact of social disparity on prefrontal function in childhood. <i>PLoS ONE</i> , 2012 , 7, e35744	3.7	138
198	Neural activity during social signal perception correlates with self-reported empathy. <i>Brain Research</i> , 2010 , 1308, 100-13	3.7	138
197	Seeking the neural substrates of visual working memory storage. <i>Cortex</i> , 2003 , 39, 927-46	3.8	134

196	Using event-related fMRI to assess delay-period activity during performance of spatial and nonspatial working memory tasks. <i>Brain Research Protocols</i> , 2000 , 5, 57-66		134
195	Reward modulation of prefrontal and visual association cortex during an incentive working memory task. <i>Brain Research</i> , 2007 , 1141, 168-77	3.7	128
194	A functional MRI study of the influence of practice on component processes of working memory. <i>NeuroImage</i> , 2004 , 22, 211-21	7.9	127
193	Activity in human frontal cortex associated with spatial working memory and saccadic behavior. <i>Journal of Cognitive Neuroscience</i> , 2000 , 12 Suppl 2, 2-14	3.1	127
192	Functional connectivity of cortical networks involved in bimanual motor sequence learning. <i>Cerebral Cortex</i> , 2007 , 17, 1227-34	5.1	121
191	Oscillatory dynamics coordinating human frontal networks in support of goal maintenance. <i>Nature Neuroscience</i> , 2015 , 18, 1318-24	25.5	120
190	The dynamic nature of top-down signals originating from prefrontal cortex: a combined fMRI-TMS study. <i>Journal of Neuroscience</i> , 2012 , 32, 15458-66	6.6	119
189	Canceling planned action: an FMRI study of countermanding saccades. <i>Cerebral Cortex</i> , 2005 , 15, 1281-9	5.1	114
188	Neural evidence for representation-specific response selection. <i>Journal of Cognitive Neuroscience</i> , 2003 , 15, 1111-21	3.1	113
187	Cognitive effects of the dopamine receptor agonist pergolide. <i>Neuropsychologia</i> , 2003 , 41, 1020-7	3.2	110
186	Dissociation of human caudate nucleus activity in spatial and nonspatial working memory: an event-related fMRI study. <i>Cognitive Brain Research</i> , 1999 , 8, 107-15		110
185	The continuing challenge of understanding and modeling hemodynamic variation in fMRI. <i>NeuroImage</i> , 2012 , 62, 1017-23	7.9	108
184	Dynamic adjustments in prefrontal, hippocampal, and inferior temporal interactions with increasing visual working memory load. <i>Cerebral Cortex</i> , 2008 , 18, 1618-29	5.1	108
183	Individual capacity differences predict working memory performance and prefrontal activity following dopamine receptor stimulation. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2005 , 5, 212-21	3.5	105
182	A functional role for the motor system in language understanding: evidence from theta-burst transcranial magnetic stimulation. <i>Psychological Science</i> , 2011 , 22, 849-54	7.9	104
181	Reducing vascular variability of fMRI data across aging populations using a breathholding task. <i>Human Brain Mapping</i> , 2007 , 28, 846-59	5.9	103
180	Differential effects of distraction during working memory on delay-period activity in the prefrontal cortex and the visual association cortex. <i>NeuroImage</i> , 2006 , 29, 1117-26	7.9	103
179	Temporal isolation of the neural correlates of spatial mnemonic processing with fMRI. <i>Cognitive Brain Research</i> , 1999 , 7, 255-68		102

178	Dissociating age-related changes in cognitive strategy and neural efficiency using event-related fMRI. <i>Cortex</i> , 2005 , 41, 582-94	3.8	101
177	Impaired prefrontal-basal ganglia functional connectivity and substantia nigra hyperactivity in schizophrenia. <i>Biological Psychiatry</i> , 2013 , 74, 122-9	7.9	100
176	Longitudinal evidence for functional specialization of the neural circuit supporting working memory in the human brain. <i>Journal of Neuroscience</i> , 2010 , 30, 11062-7	6.6	99
175	Top-down flow of visual spatial attention signals from parietal to occipital cortex. <i>Journal of Vision</i> , 2009 , 9, 18.1-14	0.4	96
174	A brief thought can modulate activity in extrastriate visual areas: Top-down effects of refreshing just-seen visual stimuli. <i>NeuroImage</i> , 2007 , 37, 290-9	7.9	94
173	The functional anatomy of a perceptual decision in the human brain. <i>Journal of Neurophysiology</i> , 2010 , 103, 1179-94	3.2	92
172	A mechanistic model of connector hubs, modularity and cognition. <i>Nature Human Behaviour</i> , 2018 , 2, 765-777	12.8	92
171	The hierarchical organization of the lateral prefrontal cortex. <i>ELife</i> , 2016 , 5,	8.9	91
170	The prefrontal cortex modulates category selectivity in human extrastriate cortex. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 1-10	3.1	90
169	Functional brain network modularity predicts response to cognitive training after brain injury. <i>Neurology</i> , 2015 , 84, 1568-74	6.5	89
168	Rehabilitation of executive functioning with training in attention regulation applied to individually defined goals: a pilot study bridging theory, assessment, and treatment. <i>Journal of Head Trauma Rehabilitation</i> , 2011 , 26, 325-38	3	89
167	Semantic processing and orthographic specificity in hemispatial neglect. <i>Journal of Cognitive Neuroscience</i> , 1996 , 8, 291-304	3.1	89
166	Modulation of inferotemporal cortex activation during verbal working memory maintenance. <i>Neuron</i> , 2006 , 51, 251-61	13.9	89
165	The neural effect of stimulus-response modality compatibility on dual-task performance: an fMRI study. <i>Psychological Research</i> , 2006 , 70, 514-25	2.5	89
164	The influence of personality on neural mechanisms of observational fear and reward learning. <i>Neuropsychologia</i> , 2008 , 46, 2709-24	3.2	88
163	The effects of prefrontal lesions on working memory performance and theory. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2004 , 4, 528-39	3.5	88
162	Cortical effects of bromocriptine, a D-2 dopamine receptor agonist, in human subjects, revealed by fMRI. <i>Human Brain Mapping</i> , 2001 , 12, 246-57	5.9	88
161	Causal evidence for frontal cortex organization for perceptual decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 6059-64	11.5	86

160	Training of goal-directed attention regulation enhances control over neural processing for individuals with brain injury. <i>Brain</i> , 2011 , 134, 1541-54	11.2	83
159	Functional plasticity in ventral temporal cortex following cognitive rehabilitation of a congenital prosopagnosic. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 1790-802	3.1	83
158	Serial dependence is absent at the time of perception but increases in visual working memory. <i>Scientific Reports</i> , 2017 , 7, 14739	4.9	81
157	Endogenous opioid blockade and impulsive responding in alcoholics and healthy controls. <i>Neuropsychopharmacology</i> , 2007 , 32, 439-49	8.7	81
156	The effect of theta-burst TMS on cognitive control networks measured with resting state fMRI. <i>Frontiers in Systems Neuroscience</i> , 2013 , 7, 124	3.5	80
155	The effect of non-visual working memory load on top-down modulation of visual processing. <i>Neuropsychologia</i> , 2009 , 47, 1637-46	3.2	78
154	Group comparisons: imaging the aging brain. <i>Social Cognitive and Affective Neuroscience</i> , 2008 , 3, 290-7	4	78
153	Confidence Leak in Perceptual Decision Making. <i>Psychological Science</i> , 2015 , 26, 1664-80	7.9	76
152	Neural implementation of response selection in humans as revealed by localized effects of stimulus-response compatibility on brain activation. <i>Human Brain Mapping</i> , 2002 , 17, 193-201	5.9	76
151	Cholinergic enhancement reduces spatial spread of visual responses in human early visual cortex. <i>Neuron</i> , 2008 , 60, 904-14	13.9	75
150	Selection and maintenance of saccade goals in the human frontal eye fields. <i>Journal of Neurophysiology</i> , 2006 , 95, 3923-7	3.2	72
149	Cognitive Functions in the Prefrontal Cortex Working Memory and Executive Control. <i>Current Directions in Psychological Science</i> , 1997 , 6, 185-192	6.5	71
148	Advances in neuroimaging of traumatic brain injury and posttraumatic stress disorder. <i>Journal of Rehabilitation Research and Development</i> , 2009 , 46, 717-57		69
147	Functional MRI investigation of verbal selection mechanisms in lateral prefrontal cortex. <i>NeuroImage</i> , 2008 , 43, 801-7	7.9	68
146	Efficiency of the prefrontal cortex during working memory in attention-deficit/hyperactivity disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2007 , 46, 1357-1366	7.2	68
145	A functional MRI study of the effects of bromocriptine, a dopamine receptor agonist, on component processes of working memory. <i>Psychopharmacology</i> , 2005 , 180, 644-53	4.7	68
144	Distributed and dynamic storage of working memory stimulus information in extrastriate cortex. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 1141-53	3.1	66
143	Age-related deficits in component processes of working memory. <i>Neuropsychology</i> , 2007 , 21, 532-9	3.8	66

142	Spatial working memory activity of the caudate nucleus is sensitive to frame of reference. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2003 , 3, 133-44	3.5	65
141	Now or Later? An fMRI study of the effects of endogenous opioid blockade on a decision-making network. <i>Pharmacology Biochemistry and Behavior</i> , 2009 , 93, 291-9	3.9	64
140	Measuring temporal dynamics of functional networks using phase spectrum of fMRI data. <i>NeuroImage</i> , 2005 , 28, 227-37	7.9	62
139	Causal Evidence for a Role of Theta and Alpha Oscillations in the Control of Working Memory. <i>Current Biology</i> , 2020 , 30, 1748-1754.e4	6.3	61
138	Brain Network Modularity Predicts Exercise-Related Executive Function Gains in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2017 , 9, 426	5.3	60
137	Modular Brain Network Organization Predicts Response to Cognitive Training in Older Adults. <i>PLoS ONE</i> , 2016 , 11, e0169015	3.7	60
136	Hippocampal-targeted Theta-burst Stimulation Enhances Associative Memory Formation. <i>Journal of Cognitive Neuroscience</i> , 2018 , 30, 1452-1472	3.1	56
135	Influence of motivation on control hierarchy in the human frontal cortex. <i>Journal of Neuroscience</i> , 2015 , 35, 3207-17	6.6	54
134	Is the prefrontal cortex necessary for delay task performance? Evidence from lesion and FMRI data. <i>Journal of the International Neuropsychological Society</i> , 2006 , 12, 248-60	3.1	54
133	Distinct Brain and Behavioral Benefits from Cognitive vs. Physical Training: A Randomized Trial in Aging Adults. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 338	3.3	54
132	The what, where and how of delay activity. <i>Nature Reviews Neuroscience</i> , 2019 , 20, 466-481	13.5	52
131	Traumatic brain injury: from bench to bedside [corrected] to society. <i>Neuron</i> , 2010 , 66, 11-4	13.9	51
130	Brain Modularity: A Biomarker of Intervention-related Plasticity. <i>Trends in Cognitive Sciences</i> , 2019 , 23, 293-304	14	51
129	Coherence between fMRI time-series distinguishes two spatial working memory networks. <i>NeuroImage</i> , 2005 , 26, 177-83	7.9	49
128	A subsequent-memory effect in dorsolateral prefrontal cortex. <i>Cognitive Brain Research</i> , 2003 , 16, 162-6		49
127	Preserved function of the fusiform face area in schizophrenia as revealed by fMRI. <i>Psychiatry Research - Neuroimaging</i> , 2006 , 148, 205-16	2.9	48
126	Reaffirming the Sensory Recruitment Account of Working Memory. <i>Trends in Cognitive Sciences</i> , 2018 , 22, 190-192	14	47
125	Repetition suppression and reactivation in auditory-verbal short-term recognition memory. <i>Cerebral Cortex</i> , 2009 , 19, 1474-85	5.1	47

124	Prefrontal contributions to domain-general executive control processes during temporal context retrieval. <i>Neuropsychologia</i> , 2008 , 46, 1088-103	3.2	47
123	Flexible Coding of Visual Working Memory Representations during Distraction. <i>Journal of Neuroscience</i> , 2018 , 38, 5267-5276	6.6	46
122	Dopamine and the cognitive downside of a promised bonus. <i>Psychological Science</i> , 2014 , 25, 1003-9	7.9	44
121	Age-related changes in brain-behaviour relationships: Evidence from event-related functional MRI studies. <i>European Journal of Cognitive Psychology</i> , 2001 , 13, 235-256		44
120	Vascular risk factors, cerebrovascular reactivity, and the default-mode brain network. <i>NeuroImage</i> , 2015 , 115, 7-16	7.9	43
119	Quantifying the reconfiguration of intrinsic networks during working memory. <i>PLoS ONE</i> , 2014 , 9, e106636	3.7	43
118	Sequence learning in pianists and nonpianists: an fMRI study of motor expertise. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2006 , 6, 246-59	3.5	43
117	Functional neuroimaging of cognition. <i>Seminars in Neurology</i> , 2000 , 20, 487-98	3.2	43
116	Reconfiguration of brain network architecture to support executive control in aging. <i>Neurobiology of Aging</i> , 2016 , 44, 42-52	5.6	43
115	Dissociable fronto-striatal effects of dopamine D2 receptor stimulation on cognitive versus motor flexibility. <i>Cortex</i> , 2013 , 49, 2799-811	3.8	42
114	Functional connectivity during top-down modulation of visual short-term memory representations. <i>Neuropsychologia</i> , 2011 , 49, 1589-96	3.2	42
113	Neural representations of relevant and irrelevant features in perceptual decision making. <i>Journal of Neuroscience</i> , 2010 , 30, 15778-89	6.6	42
112	Neural mechanisms for response selection: comparing selection of responses and items from working memory. <i>NeuroImage</i> , 2007 , 34, 446-54	7.9	40
111	The effects of lateral prefrontal transcranial magnetic stimulation on item memory encoding. <i>Neuropsychologia</i> , 2014 , 53, 197-202	3.2	38
110	Spatio-temporal information analysis of event-related BOLD responses. <i>NeuroImage</i> , 2007 , 34, 1545-61	7.9	38
109	The Rostro-Caudal Axis of Frontal Cortex Is Sensitive to the Domain of Stimulus Information. <i>Cerebral Cortex</i> , 2015 , 25, 1815-26	5.1	37
108	A comparison of Granger causality and coherency in fMRI-based analysis of the motor system. <i>Human Brain Mapping</i> , 2009 , 30, 3475-94	5.9	36
107	Functional reintegration of prefrontal neural networks for enhancing recovery after brain injury. <i>Journal of Head Trauma Rehabilitation</i> , 2006 , 21, 107-18	3	36

106	A simple method for detecting chaos in nature. <i>Communications Biology</i> , 2020 , 3, 11	6.7	36
105	Effects of Medial Orbitofrontal Cortex Lesions on Self-Control in Intertemporal Choice. <i>Current Biology</i> , 2016 , 26, 2625-2628	6.3	36
104	Lateral prefrontal cortex is organized into parallel dorsal and ventral streams along the rostro-caudal axis. <i>Cerebral Cortex</i> , 2013 , 23, 2457-66	5.1	35
103	The Physiological Basis of Executive Function and Working Memory. <i>Neuroscientist</i> , 1996 , 2, 345-352	7.6	35
102	Cholinergic, But Not Dopaminergic or Noradrenergic, Enhancement Sharpens Visual Spatial Perception in Humans. <i>Journal of Neuroscience</i> , 2017 , 37, 4405-4415	6.6	34
101	The dopamine agonist bromocriptine differentially affects fronto-striatal functional connectivity during working memory. <i>Frontiers in Human Neuroscience</i> , 2011 , 5, 32	3.3	33
100	Functional interactions between oculomotor regions during prosaccades and antisaccades. <i>Human Brain Mapping</i> , 2005 , 26, 119-27	5.9	33
99	The effect of rehearsal rate and memory load on verbal working memory. <i>NeuroImage</i> , 2015 , 105, 120-31	7.9	31
98	Dopamine Synthesis Capacity is Associated with D2/3 Receptor Binding but Not Dopamine Release. <i>Neuropsychopharmacology</i> , 2018 , 43, 1201-1211	8.7	31
97	Modulation of working memory function by motivation through loss-aversion. <i>Human Brain Mapping</i> , 2013 , 34, 762-74	5.9	31
96	A sensorimotor view of verbal working memory. <i>Cortex</i> , 2019 , 112, 134-148	3.8	31
95	Distinct mechanisms in visual category learning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2007 , 7, 251-9	3.5	30
94	Modulation of impulsivity and reward sensitivity in intertemporal choice by striatal and midbrain dopamine synthesis in healthy adults. <i>Journal of Neurophysiology</i> , 2016 , 115, 1146-56	3.2	29
93	Dopaminergic modulation of distracter-resistance and prefrontal delay period signal. <i>Psychopharmacology</i> , 2015 , 232, 1061-70	4.7	28
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